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Metering fluent mixt. formation or distribution - by positive displacement units of capacity related to adjustable frequency

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Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
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Abstract (Basic): DE 3441604 A

Liq. and pasty components of a required mixt. are taken from separate containers (2) and delivered through feed lines (3) to an array of volumetrically acting and rotationally symmetrical positive displacement units (1), such as gear pumps or vans cell pumps. These supply the components in equal amts. or pre-determined ratio to a receiving chamber (5) where the mixt. is formed and delivered, e.g. to a sprayer (7). The ratio is determined by relating the absorption capacity of the displacement units to their operating frequency. The ratio of components and/or the amts. in individual streams can be programmed, e.g. by cards.

USE/ADVANTAGE - Esp. for paint spraying plant. Colour shades can be precisely set and maintained, without time-consuming removal of paint contg. mixers. Flow direction can be reversed to subdivide a main flow into component streams.

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Title Terms: METER; FLUENT; MIXTURE; FORMATION; DISTRIBUTE; POSITIVE; DISPLACEMENT; UNIT; CAPACITY; RELATED; ADJUST; FREQUENCY
Derwent Class: J02; S02
International Patent Class (Additional): B01J-004/00; G01F-011/02
File Segment: CPI; EPI
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